

ABSTRACT OF THE DISCLOSURE

In order to enable use of both real time access and random access and to achieve improvement of throughput on communication device and communication network, a LAN terminal device 1 acting as a control station allocates communication timing corresponding to a communication timing allocation request from LAN unit 2 and LAN unit 5 intending to transmit real time data and notifies each LAN terminal device connected to the same network of information indicating this allocated communication timing. A communication terminal of the requester transmits data through a real time region based on communication timing allocated to itself and random data is transmitted through a random access region.